



Making iOS Certificates

App Development > OEM App > iOS Push

Version: 20200618

Contents

1	Updates	1
2	Prepare	2
3	Create iOS Certificate	3
3.1	Create App ID	3
3.2	Enable “Sign in with Apple” capability	6
3.3	Create a CSR file (.certSigningRequest format)	7
3.4	Create App Distribution certificate(.p12 format)	8
3.5	Create App Push Certificate (.p12 format)	11
3.6	Create Profile (.mobileprovision format)	15
3.7	Upload certificates, profile to Tuya IoT Platform.	18
4	Attention	20

1 Updates

Update Time	Description
2020.4.21	Add one-key certificate create entry
2020.3.4	Format update, image update
2020.3.2	Update “Apple SignIn” related things
2020.3.17	Update v3.15 additional capability

Starting from 2020.4, you can go to 「[Tuya IoT Platform](#) -> **App Platform -> **App** -> **Configure Certificates**」 and create certificates automaticly, in about **1 minute**. If you stil want to create certificates manually, please continue to the following content.**

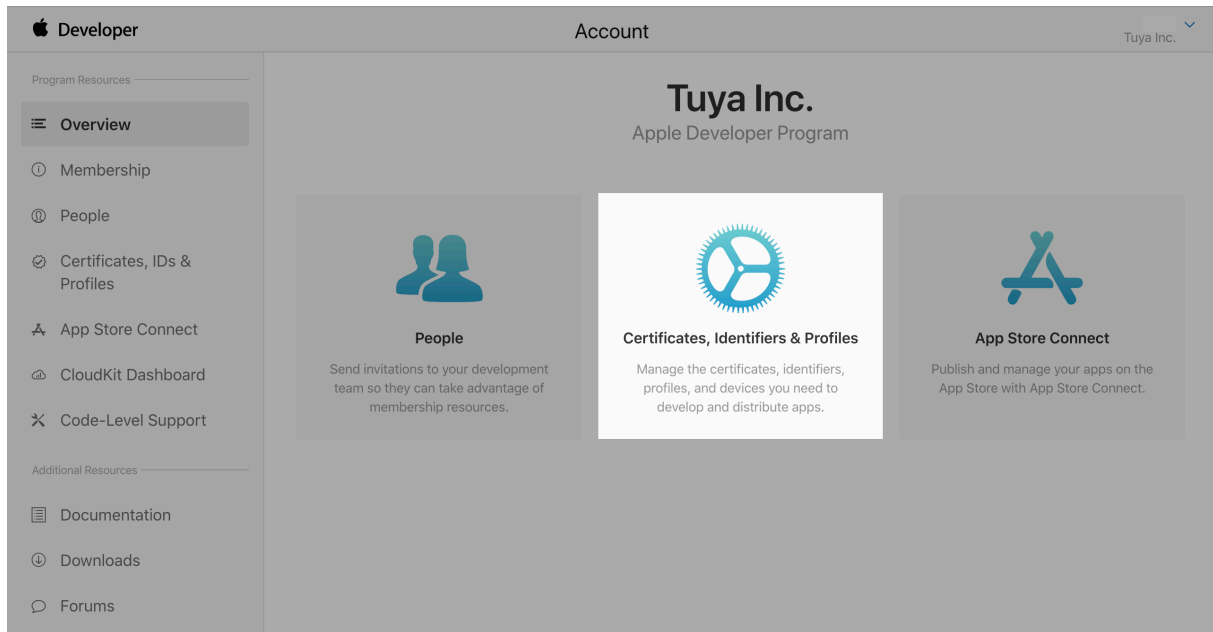
2 Prepare

1. Register and join Apple Developer Program. See: [Enrollment - Support - Apple Developer](#)
2. A macOS Computer

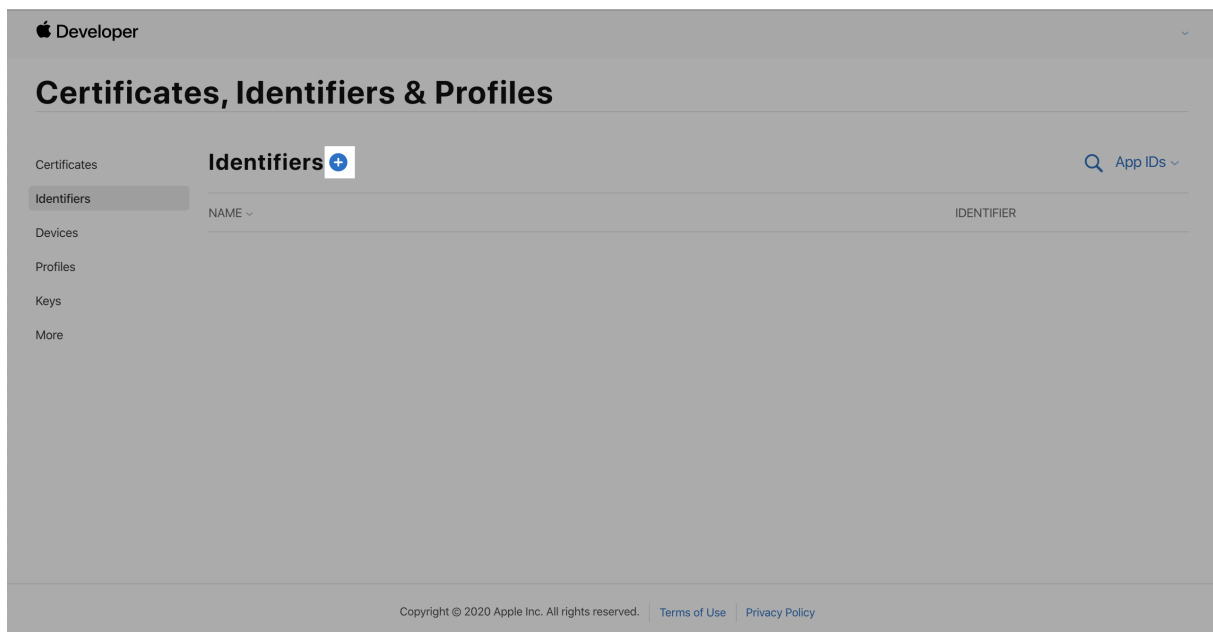
3 Create iOS Certificate

3.1 Create App ID

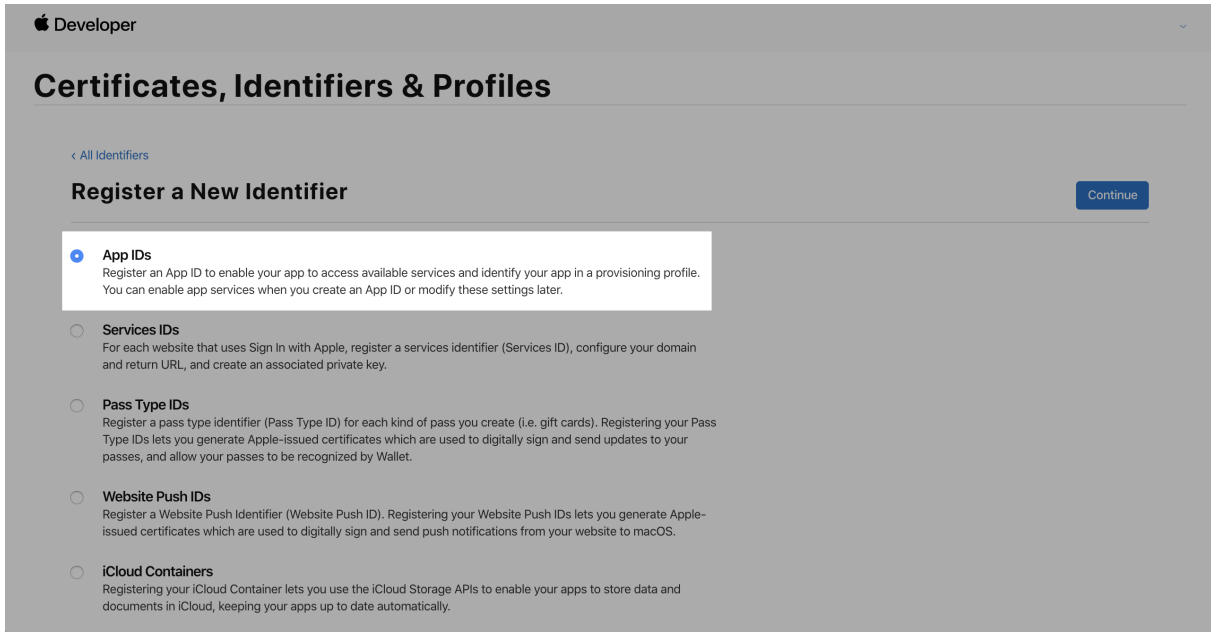
Login [Apple Developer](#), click [Certificates, IDs & Profiles](#) .



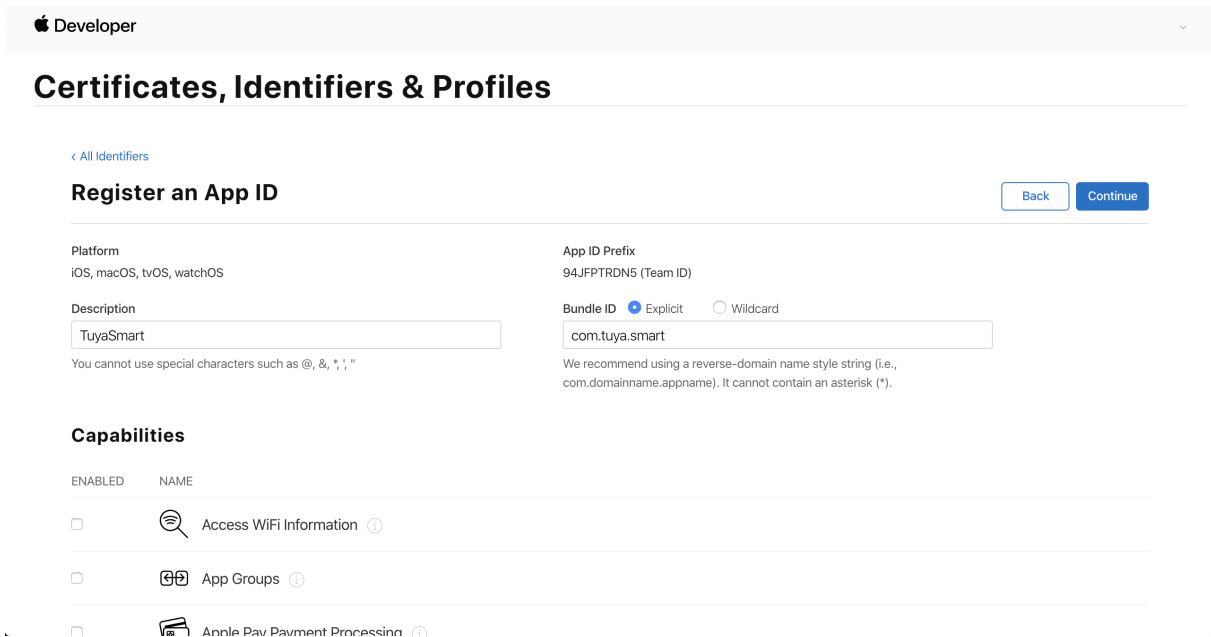
Click [Identifiers](#) -> + .



Select [App IDs](#), click [Continue](#) .



Fill in the **Description**, Select **Explicit** for **Bundle ID**, and input your App Bundle ID.



3.1.1 Select the following options in Capabilities list:

- Access WiFi Information
- Associated Domains
- Push Notifications

- Sign In with Apple, Enable as a primary App ID (optional)

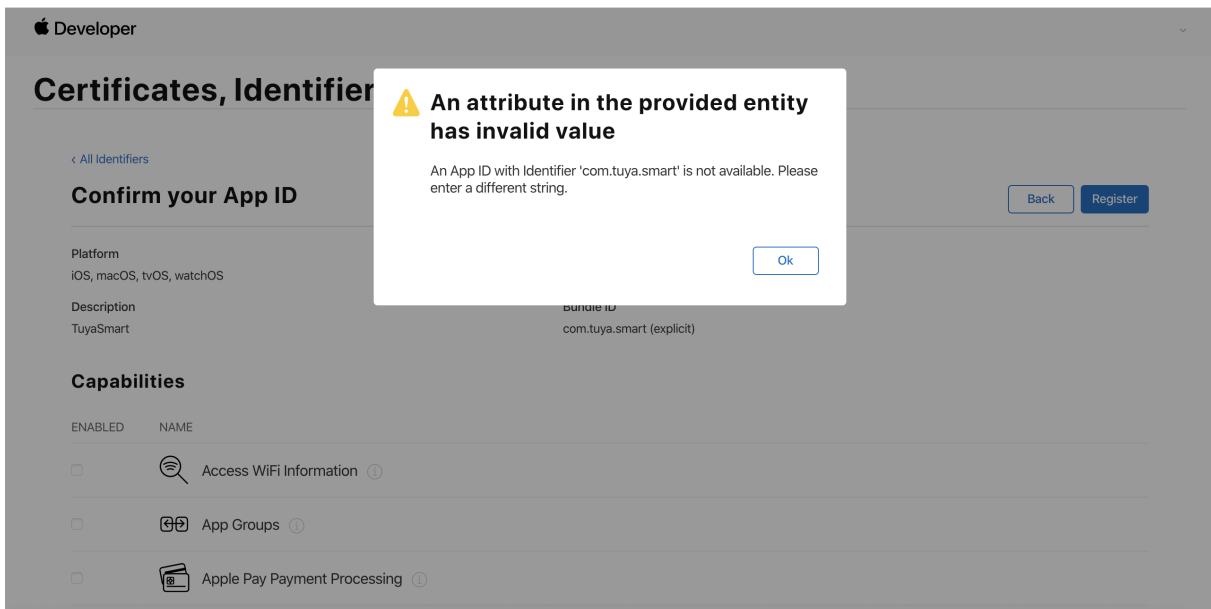
Capabilities

ENABLED	NAME	
<input checked="" type="checkbox"/>	Access WiFi Information ⓘ	
<input checked="" type="checkbox"/>	Push Notifications ⓘ	
<input checked="" type="checkbox"/>	Sign In with Apple ⓘ	<input type="button" value="Edit"/> Enable as a primary App ID

Attention: 1. According to the new AppStore review guideline, starting from v3.15, if your App opened the third-party login function (such as wechat/qq/facebook/twitter), "Sign In with Apple" is required. 2. Since v3.15, because of the third-party SDK update, [Associated Domains](#) is required to build the App. 3. If your App include additional service, other capabilities should be opened.

Click [Continue](#) , and click [Register](#) .

If failed with "An App ID with Identifier 'com.xxx.xxx' is not available. Please enter a different string." , please go back and change a Bundle ID.



If no error, please proceed to the next step.

Apple Developer

Certificates, Identifiers & Profiles

Certificates Identifiers App IDs

NAME	IDENTIFIER
TuyaSmart	com.tuya.smart

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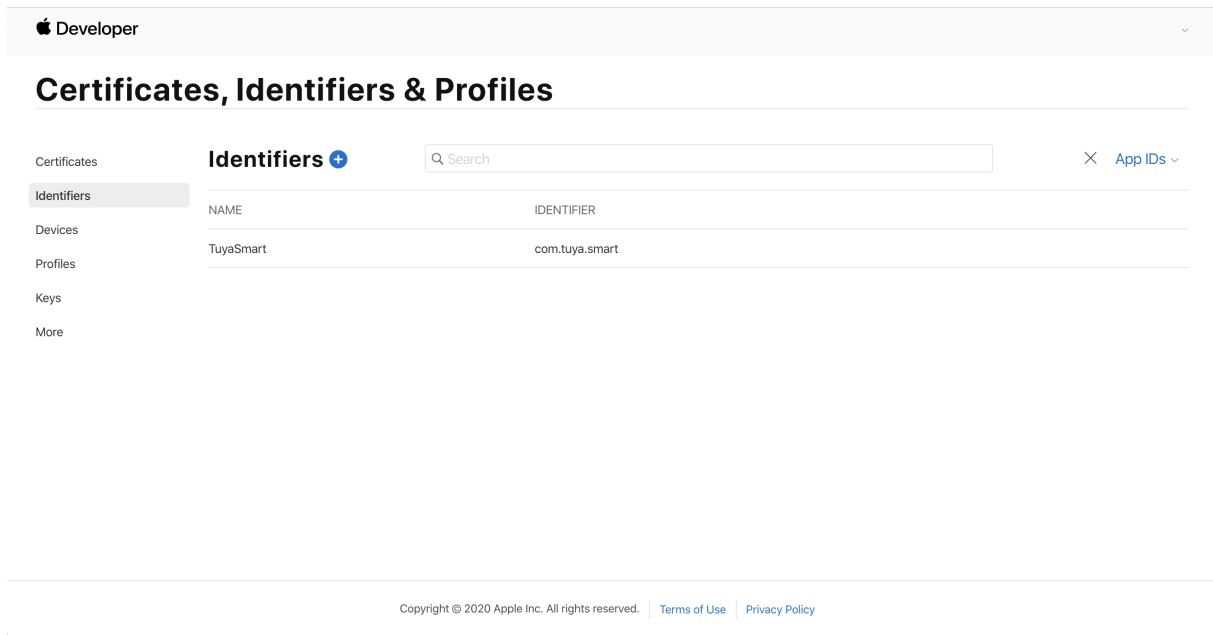
3.2 Enable “Sign in with Apple” capability

“Sign in with Apple” is one of the iOS 13 features, users can login to your App using Apple account, without register steps.

About “Sign in with Apple”

According to the new AppStore review guideline, starting from v3.15, if your App opened the third-party login function (such as wechat/qq/facebook/twitter), “Sign In with Apple” is required.

Click [Identifiers](#) in left navigation and click your App ID in right side.

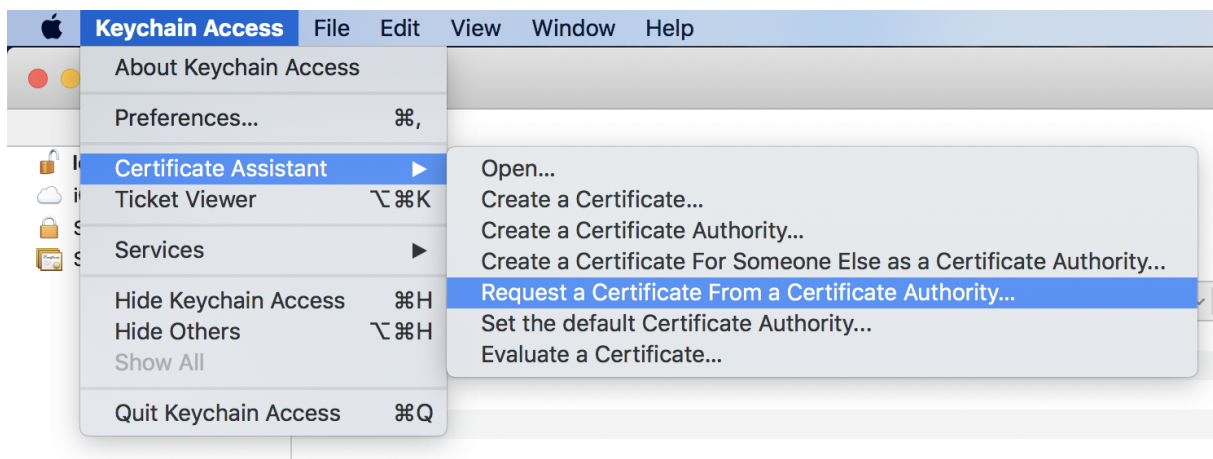


Enable [Sign In with Apple](#) option in [Capabilities](#) list and save.

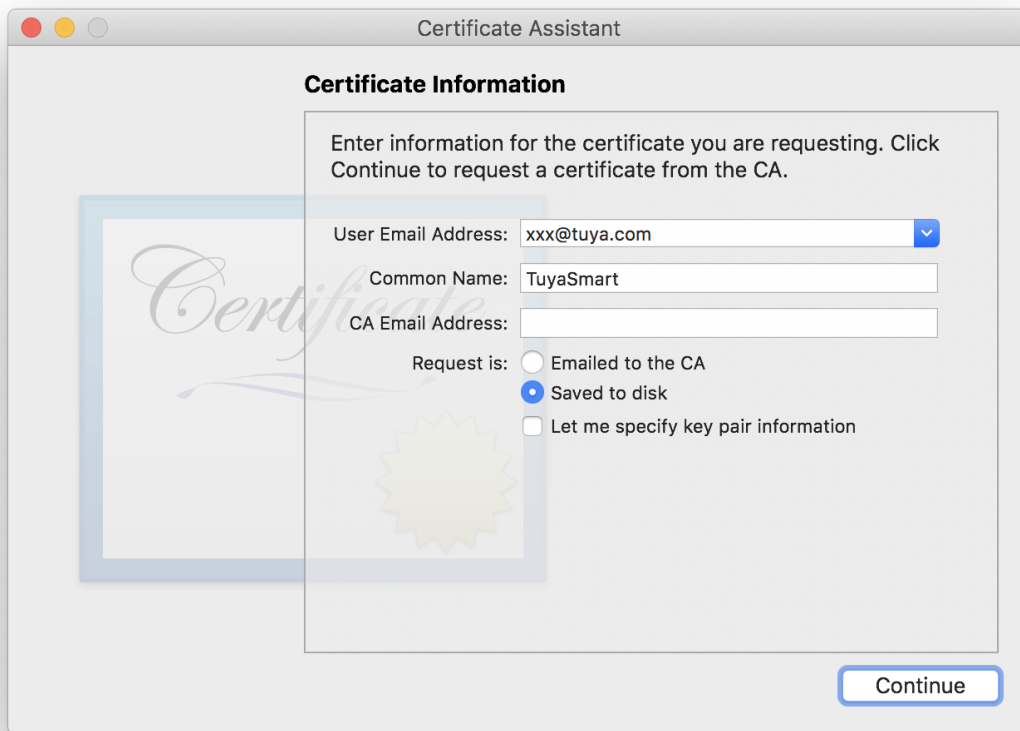


3.3 Create a CSR file (.certSigningRequest format)

Open [Keychain Access](#) App in macOS, click [Keychain Access](#) -> [Certificate Assistant](#) -> [Request a Certificate From a Certificate Authority...](#) :



Input your email, name, select [Saved to disk](#) , and click [Continue](#) .

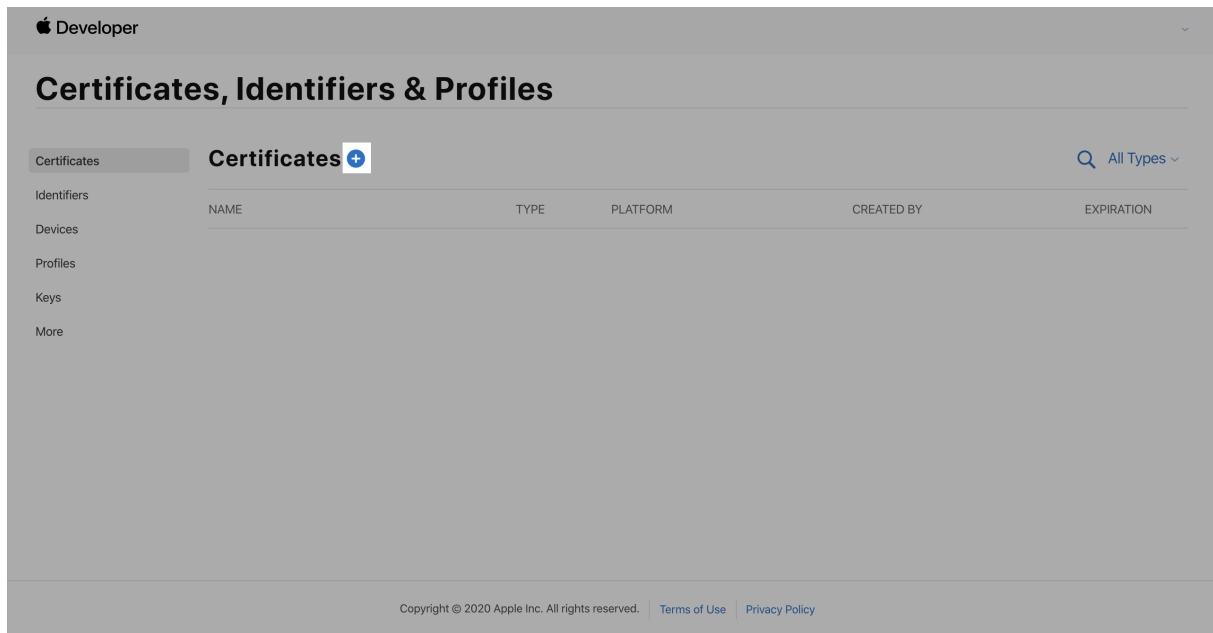


Save `CertificateSigningRequest.certSigningRequest` to local disk, done.

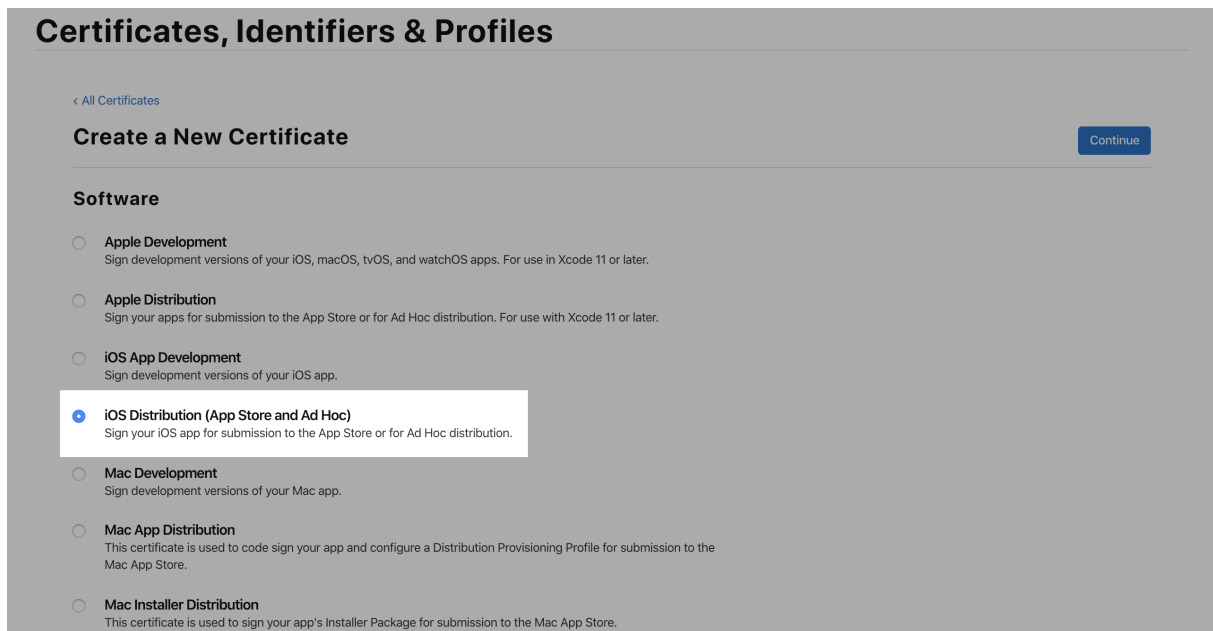
3.4 Create App Distribution certificate(.p12 format)

If your account has multiple Apps, you can use the same app distribution certificate. Create multiple distribution certificates will cause some troubles.

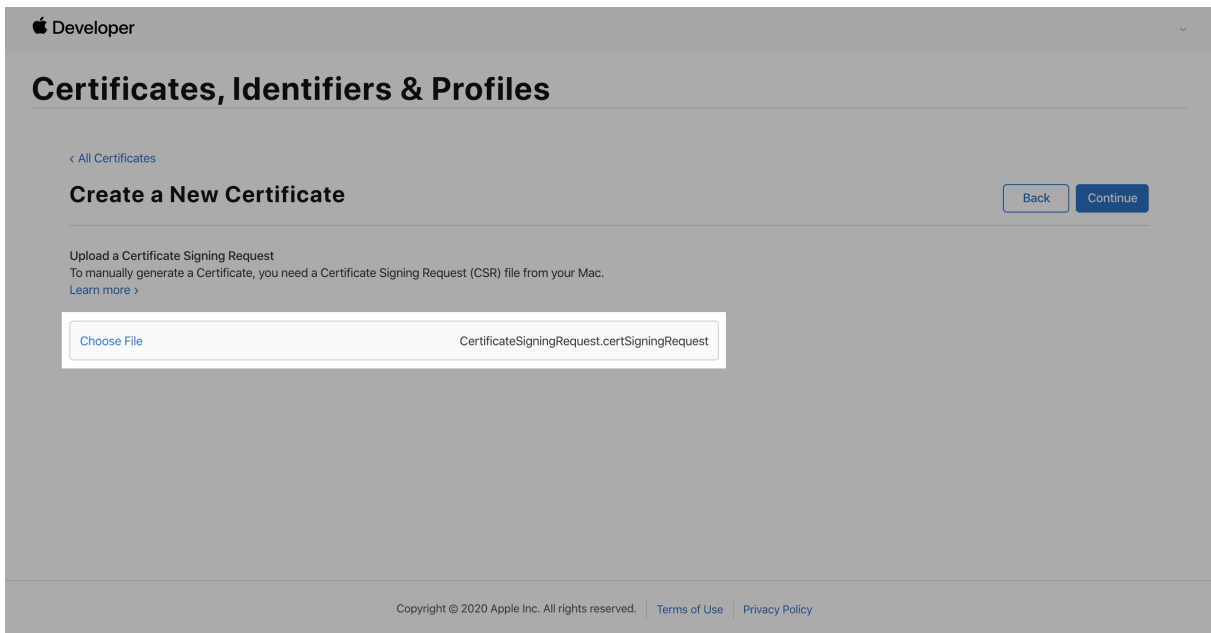
Open `Certificates, Identifiers & Profile` page, select `Certificates`, click+ .



Select **iOS Distribution (App Store and Ad Hoc)**, click **Continue** .

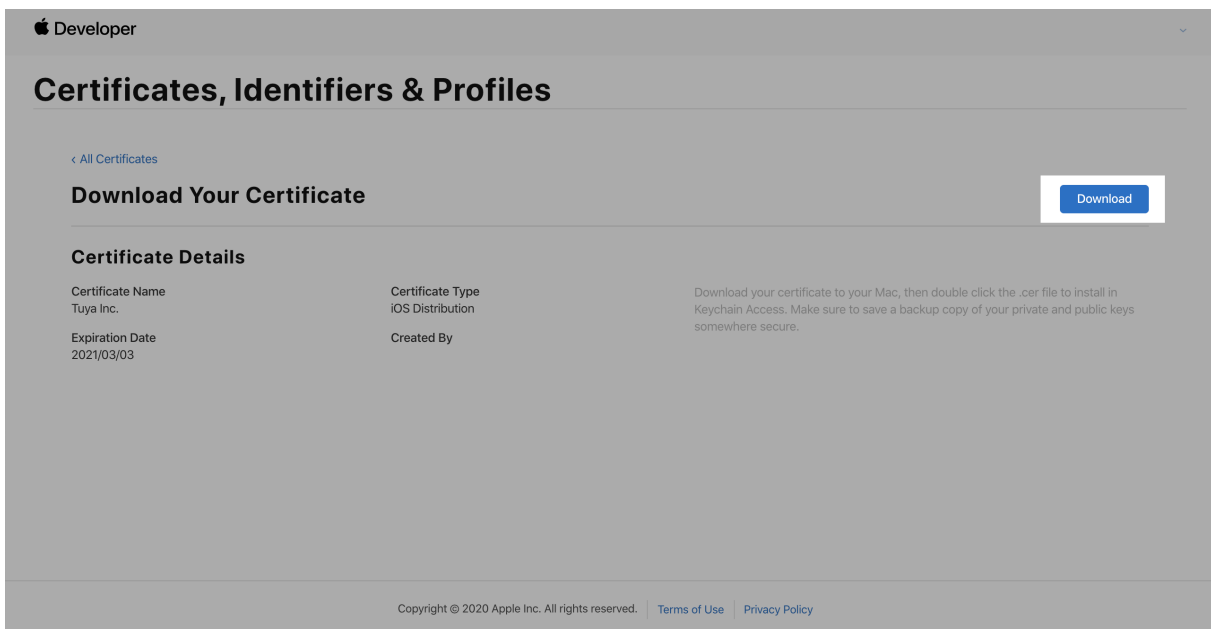


Click **Choose File...** , select the csr file created before, click **Continue** .

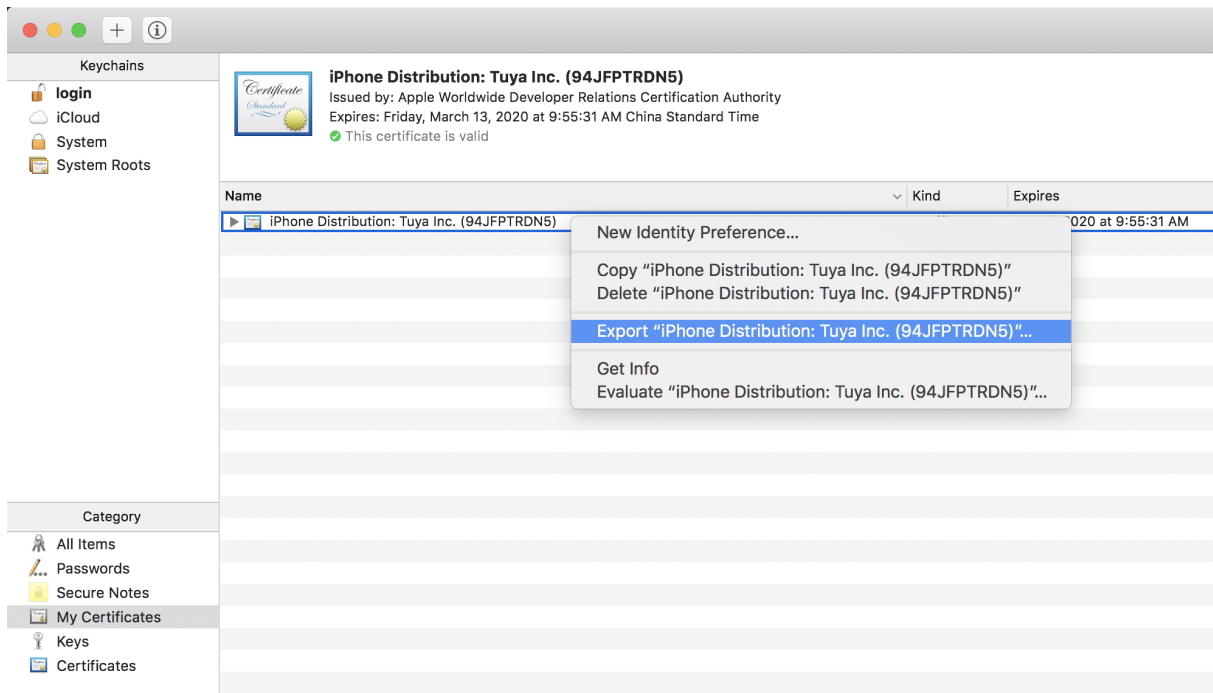


Click [Download](#), download `ios_distribution.cer` file to local, double click file to import it to the keychain.

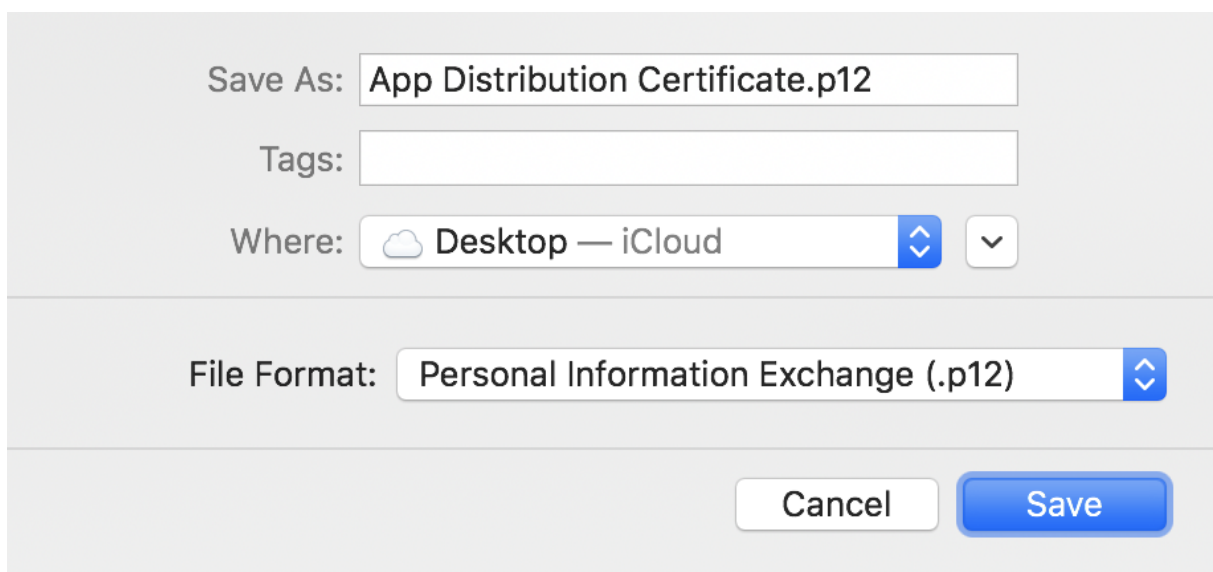
Attention: `.cer` file needs to import to the keychain, then export to `.p12` file, please continue the steps.



Open [Keychain Access App](#), Select [My Certificates](#), and find the certificate you imported. Right click to export.



Save as “App Distribution Certificate.p12”, file format: .p12, then click “Save”.

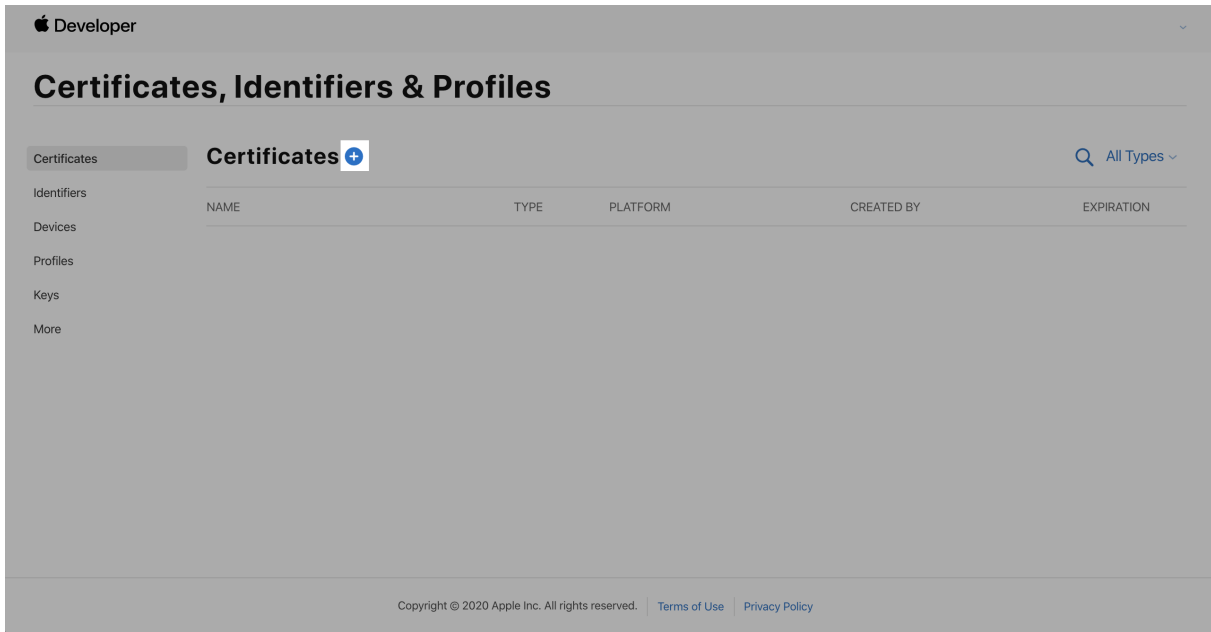


Set a password for your App Distribution Certificate and not forget it. Click “OK”, done.

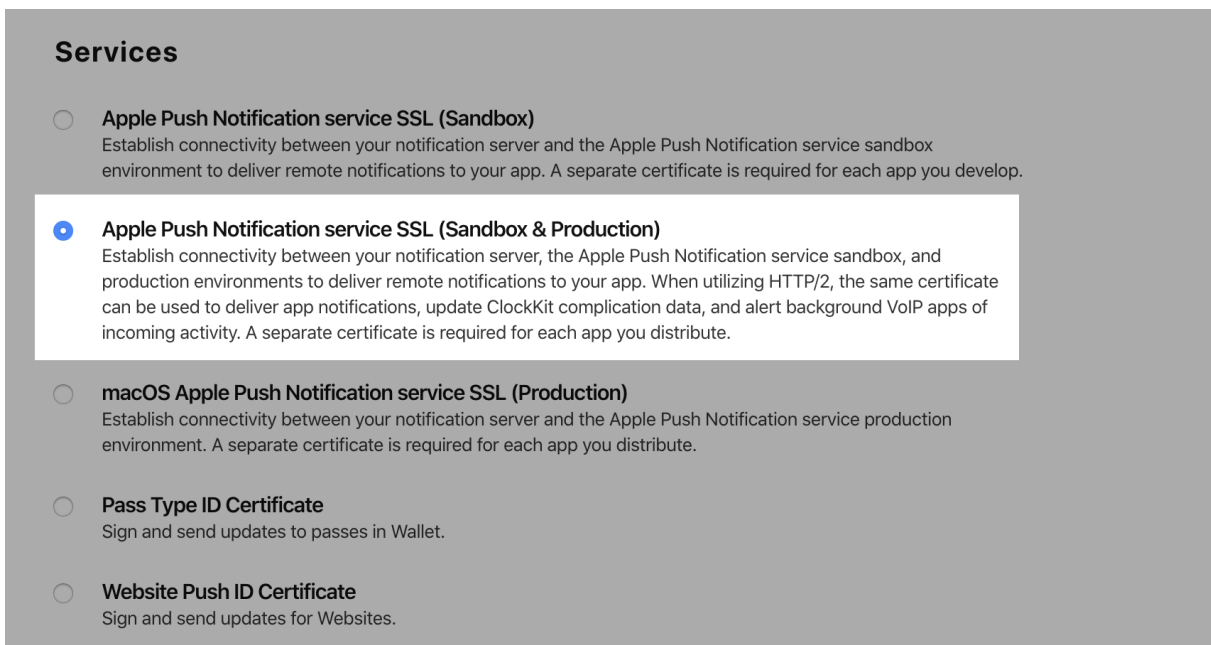
3.5 Create App Push Certificate (.p12 format)

Different to the distribution certificate, if your account has multiple Apps, please create push certificate for every App.

Open [Certificates](#), [Identifiers](#) & [Profile](#) page, select [Certificates](#), click+ .



Select [Apple Push Notification service SSL \(Sandbox & Production\)](#) , and continue.



Choose your App ID (Bundle ID), and continue.

Apple Developer

Certificates, Identifiers & Profiles

[< All Certificates](#)

Create a New Certificate

[Back](#) [Continue](#)

Select an App ID for your Apple Push Notification service SSL Certificate (Sandbox & Production)
All App IDs that you want to enable for remote notifications require their own Apple Push Notification service SSL certificate. The App ID-specific SSL certificate allows your server to connect to the Apple Push Notification service. Note that only explicit App IDs with a specific Bundle Identifier can be used to create an Apple Push Notification service SSL certificate.

App ID:
94JFPTRDN5.com.tuya.smart

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Click [Choose File...](#) , select the csr file created before, click [Continue](#) .

Apple Developer

Certificates, Identifiers & Profiles

[< All Certificates](#)

Create a New Certificate

[Back](#) [Continue](#)

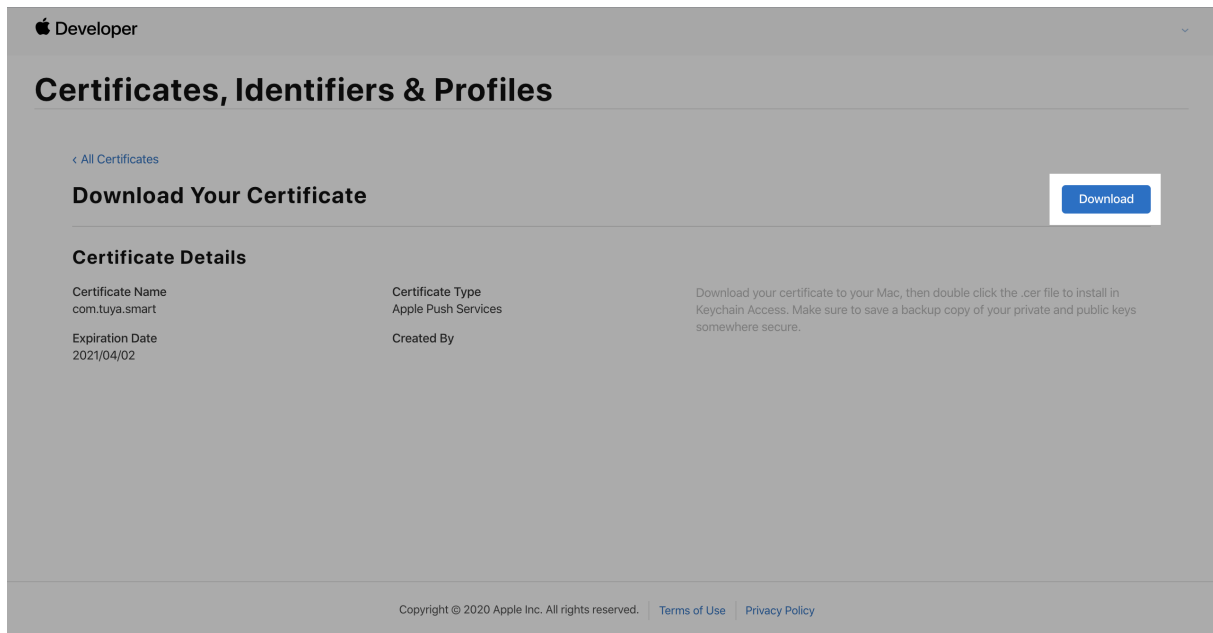
Upload a Certificate Signing Request
To manually generate a Certificate, you need a Certificate Signing Request (CSR) file from your Mac.
[Learn more >](#)

[Choose File](#) CertificateSigningRequest.certSigningRequest

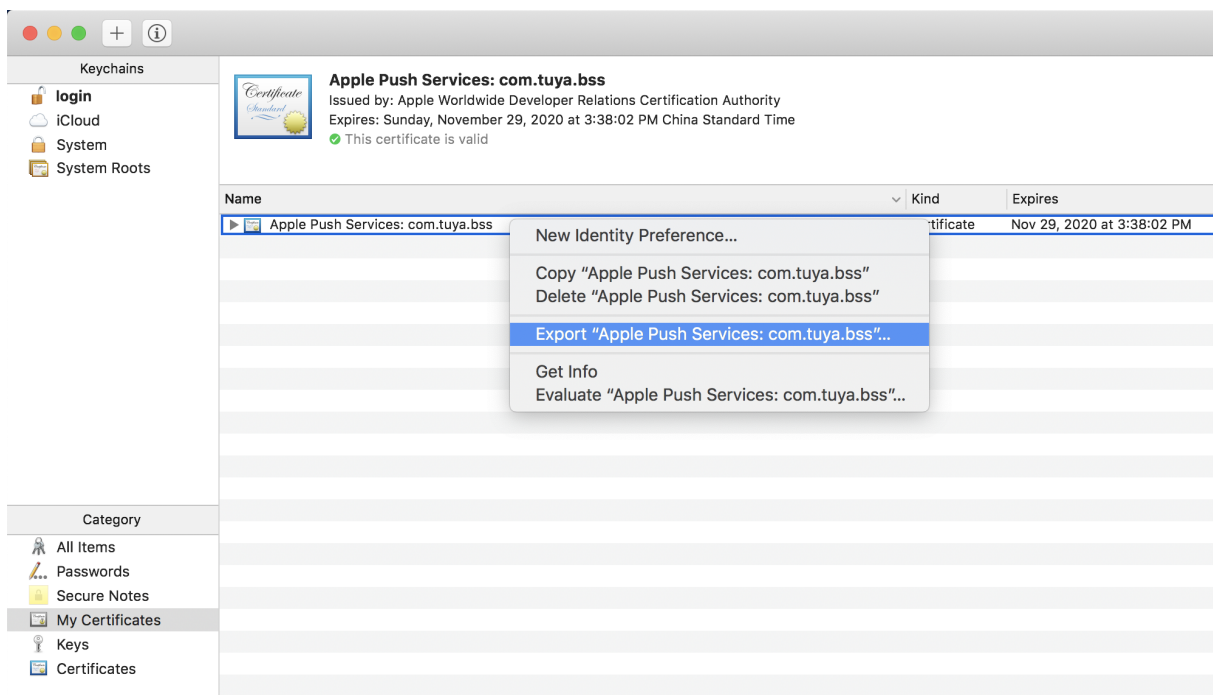
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Click [Download](#), download `aps.cer` file to local, double click file to import it to the keychain.

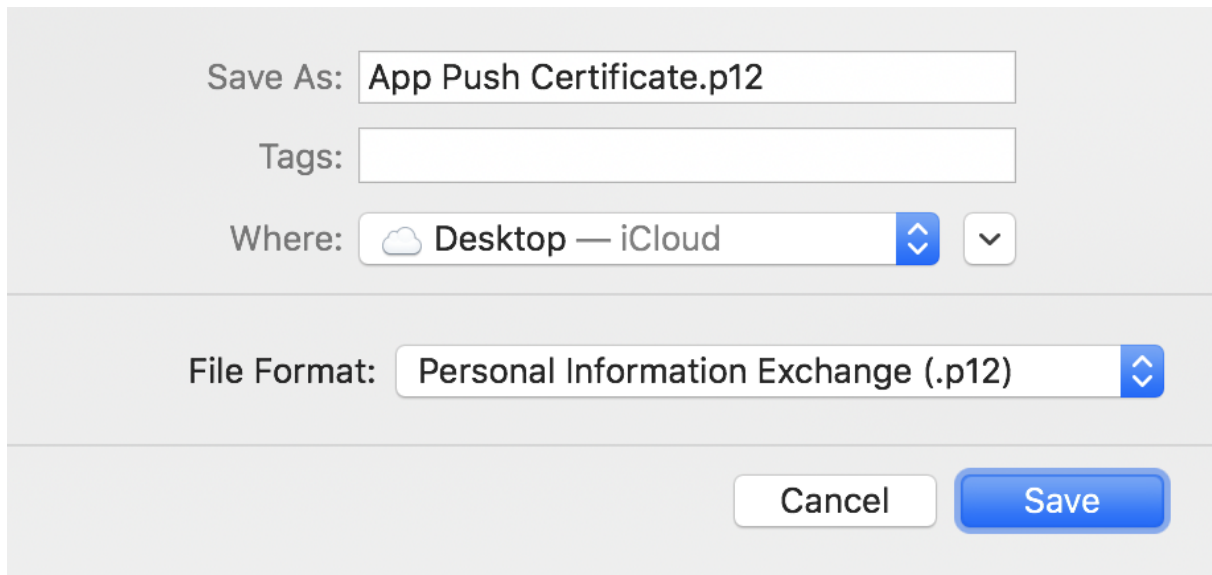
Attention: `.cer` file needs to import to the keychain, then export to `.p12` file, please continue the steps.



Open [Keychain Access](#) App, Select [My Certificates](#), and find the certificate you imported. Right click to export.



Save as "App Push Certificate.p12", file format: .p12, then click "Save".



Save As: App Push Certificate.p12

Tags:

Where: Desktop — iCloud

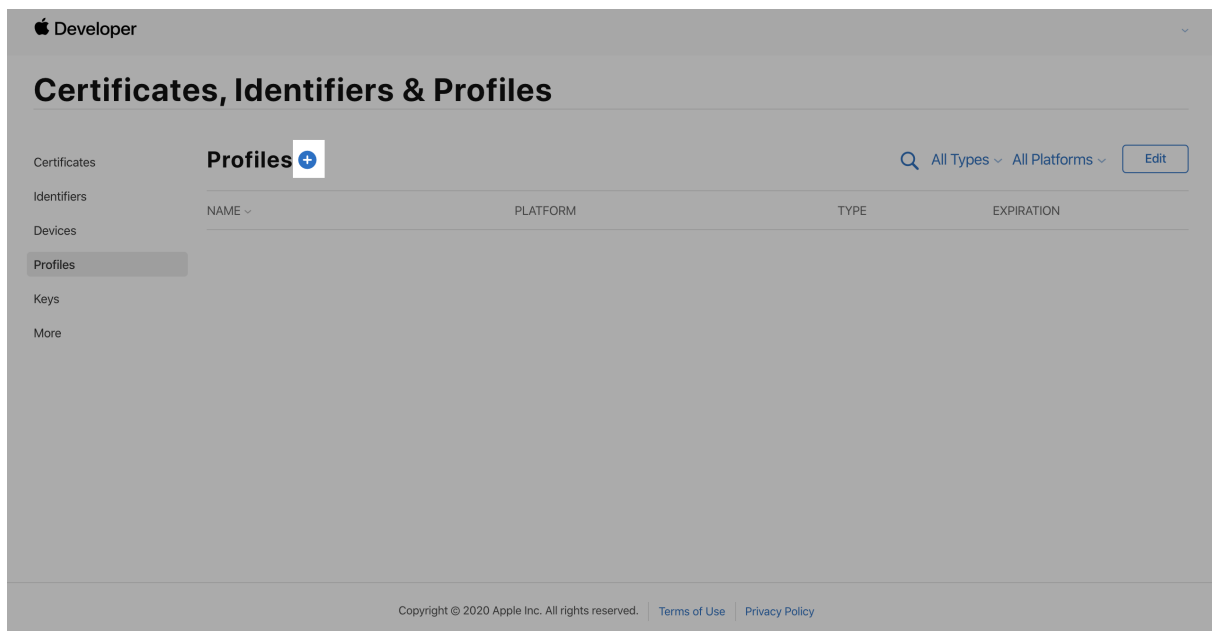
File Format: Personal Information Exchange (.p12)

Cancel Save

Set a password for your App Push Certificate and not forget it. Click “OK”, done.

3.6 Create Profile (.mobileprovision format)

Open [Certificates](#), [Identifiers](#) & [Profile](#), select [Profiles](#), then click + button.



Select [App Store](#) and continue.

Distribution

- Ad Hoc**
Create a distribution provisioning profile to install your app on a limited number of registered devices.
- tvOS Ad Hoc**
Create a distribution provisioning profile to install your app on a limited number of registered tvOS devices.
- App Store**
Create a distribution provisioning profile to submit your app to the App Store.
- tvOS App Store**
Create a distribution provisioning profile to submit your tvOS app to the App Store.
- Mac App Store**
Create a distribution provisioning profile to submit your app to the Mac App Store.
- Developer ID**
Create a Developer ID provisioning profile to use Apple services with your Developer ID signed applications.

Select App ID (Bundle ID) and continue.

🍏 Developer

Certificates, Identifiers & Profiles

[< All Profiles](#)

Generate a Provisioning Profile

Back Continue

Select Type > Configure > Generate > Download

Select an App ID
If you plan to use services such as Game Center, In-App Purchase, and Push Notifications, or want a Bundle ID unique to a single app, use an explicit App ID. If you want to create one provisioning profile for multiple apps or don't need a specific Bundle ID, select a wildcard App ID. Wildcard App IDs use an asterisk (*) as the last digit in the Bundle ID field.

App ID:

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Select the distribution certificate you created before, and continue.

Attention: If there's multiple certificates and you don't know how to choose, please go back to the certificates page, remove the unnecessary certificate and redo this step. If you select the wrong certificate, App build might fail.

Apple Developer

Certificates, Identifiers & Profiles

[All Profiles](#)

Generate a Provisioning Profile

Back Continue

Select Type > Configure > Generate > Download

Select Certificates
Select the certificates you wish to include in this provisioning profile. To use this profile to install an app, the certificate the app was signed with must be included.

- Tuya Inc. (iOS Distribution) Mar 12, 2020

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Input a provisioning profile name, then generate.

Apple Developer

Certificates, Identifiers & Profiles

[All Profiles](#)

Generate a Provisioning Profile

Back Generate

Select Type > Configure > Generate > Download

Review, Name and Generate.

The name you provide will be used to identify the profile in the portal.

Provisioning Profile Name

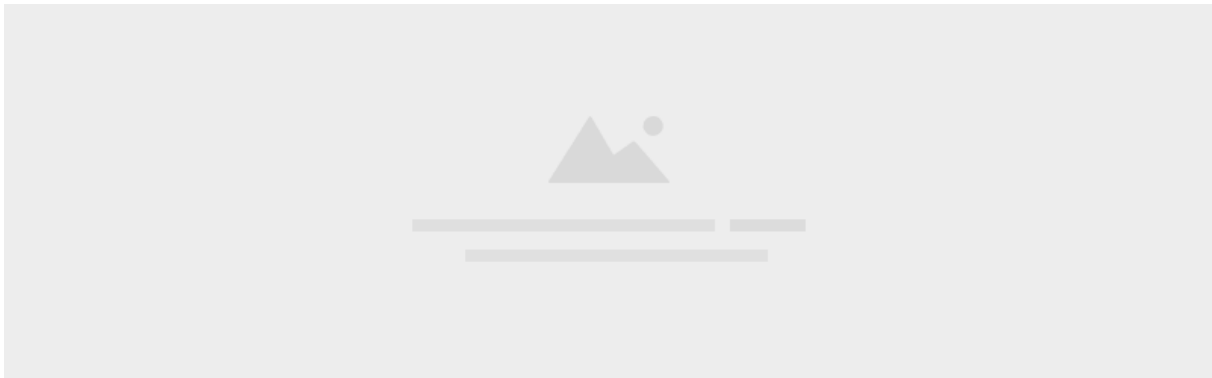
Type
App Store

App ID
-

Certificates
1 Selected

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Download the profile, done.



3.7 Upload certificates, profile to Tuya IoT Platform.

Open [Tuya IoT Platform](#), click your App.

Console

tuya.com IoT Home Product App Service Purchase Data Operation Document Cost Value-added Service Upgrade

App Service [Go to App Service](#)

Provides one-stop OEM app creation and management services. You can use a standard or custom template to customize your brand, easily create and manage your OEM apps.

Test App [>](#)
Development mode: OEM

Purchasing center [Go to Purchasing center](#)

Provides complete hardware and software solution debugged, assembled in massive production, based on our strong supply chain eco-system.

Order Reminder	Pending order	Pending contract	Pending delivery
	0	0	0
Financial Statement	Account Balance	Coupons	Cash Vouchers
	¥0.00	0	0

Your dedicated service team

The account manager, project manager, and technical experts will answer all the questions you have while using platform.

[Submit Question](#)

[Go to Technical Support](#)

Tuya Smart Marketplace

Start selling your products globally with advanced Tuya's tools and services.

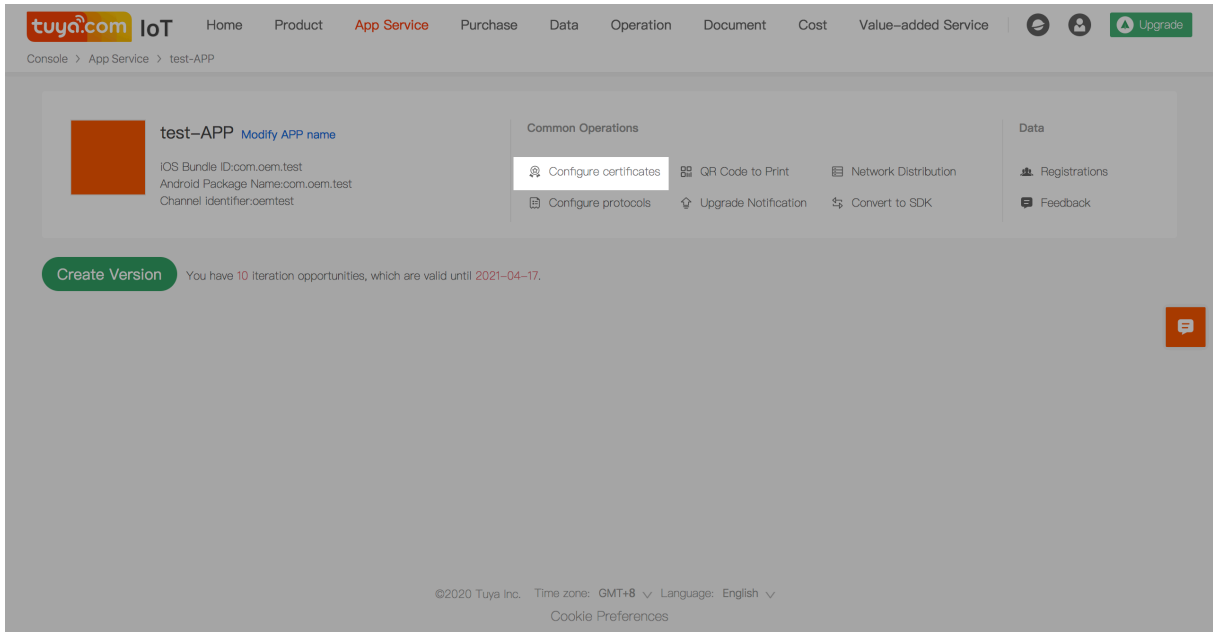
[Get Started](#)

Value-added Service

Provides professional value-added services to your products, including app services, smart speaker services, certification services, functional extension services.

[Go to Value-added Service](#)

Click [Set up certificates](#).



Upload your App distribution certificates, password, mobileprovision, and save.

iOS App Certificate

The iOS App certificate is the document that requires a signature for the App to be released on the App Store. You must apply for this certificate with a developer account on the Apple Developer website [Click to view help documentation](#)

Configure certificates

Mobileprovision certificate:

p12 certificate:

Certificate password:

Save

iOS Push (APNS)

APNS is the abbreviation of Push Service for iOS App. Update push certificate without rebuilding the app. [Click to view help documentation](#)

Configure certificates

Certificate file(.p12)-Production:

Certificate password:

Save

4 Attention

1. The push certificate is valid for 1 year. If it expires, the App push will be invalid.
2. The developer account needs to renew each year, if not renewed in time, the App will be removed from application market
3. Starting from April 2020, All App use third-party login function are required to use Sign in with Apple. See [New Guidelines for Sign in with Apple](#)
4. Since v3.15, because of the third-party SDK update, [Associated Domains](#) is required to build the App.